Ansible Playbook

Playbooks are the simplest way in Ansible to automate repeating tasks in the form of reusable and consistent configuration files. Playbooks are scripts defined in YAML files and contain any ordered set of steps to be executed on our managed nodes.

As mentioned, tasks in a playbook are executed from top to bottom. At a minimum, a playbook should define the managed nodes to target and some tasks to run against them.

In playbooks, data elements at the same level must share the same indentation while items that are children of other items must be indented more than their parents.

Let’s look at a simple playbook to get an idea of how that looks in practice.

For the needs of this demo, we will use a simple playbook that runs against **all hosts and copies a file, creates a user, and upgrades all apt packages on** the remote machines.

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* Name: Introduction Ansible Playbook

Host: all

task:

- name: copy file from host

copy:

src: /hosts

dest: /tmp/hosts\_bkp

mode: ‘0644’

* name: Add user shradhesh to the systesm

ansible.builtin.user:

name: shradhesh

become: yes

become\_method: sudo

task: install Java openjdk8

- name: install jdk 8 on debain /ubuntu

apt:

name: openjdk-8-jdk

state : present

when: ansible\_os\_family == 'Debian' or ansible\_os\_family == 'Ubuntu'

* name: Install openjdk on red-hat/centos

yum:

name: java-1.8.0-openjdk

state: present

when: ansible\_os\_family == 'RedHat'